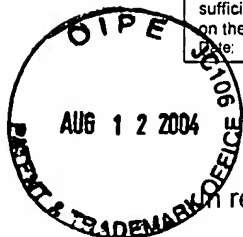


IFW

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450, on the below date:
Date: August 10, 2004 Name: Amir N. Penn (40,767) Signature: [Signature]

BRINKS
HOFER
GILSON
& LIONE



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

re Appln. of: Allan O. DEVANTIER, et al.

Appln. No.: 10/684,222

Filed: October 10, 2003

For: STATISTICAL ANALYSIS OF
POTENTIAL AUDIO SYSTEM
CONFIGURATIONS

Examiner: TBA

Art Unit: 2125

Attorney Docket No: 11336-433

Mail Stop Amendment
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL

Sir:

Attached is/are:

- ☒ Transmittal Letter; Information Disclosure Statement (4 -pages - in duplicate); PTO-1449 (3 pages);
Required Copies of Cited References
- ☒ Return Receipt Postcard

Fee calculation:

- ☐ No additional fee is required.
- ☐ Small Entity.
- ☐ An extension fee in an amount of \$ _____ for a _____-month extension of time under 37 C.F.R. § 1.136(a).
- ☐ A petition or processing fee in an amount of \$ _____ under 37 C.F.R. § 1.17(____).
- ☐ An additional filing fee has been calculated as shown below:

					Small Entity			Not a Small Entity	
	Claims Remaining After Amendment		Highest No. Previously Paid For	Present Extra	Rate	Add'l Fee	or	Rate	Add'l Fee
Total		Minus			x \$9=			x \$18=	
Indep.		Minus			x 43=			x \$86=	
First Presentation of Multiple Dep. Claim					+\$145=			+\$290=	
					Total	\$		Total	\$

Fee payment:

- ☐ A check in the amount of \$ _____ to cover the above-identified fee(s) is enclosed.
- ☐ Please charge Deposit Account No. 23-1925 in the amount of \$ _____. A copy of this Transmittal is enclosed for this purpose.
- ☐ Payment by credit card in the amount of \$ _____ (Form PTO-2038 is attached).
- ☒ The Director is hereby authorized to charge payment of any additional filing fees required under 37 CFR § 1.16 and any patent application processing fees under 37 CFR § 1.17 associated with this paper (including any extension fee required to ensure that this paper is timely filed), or to credit any overpayment, to Deposit Account No. 23-1925.

Respectfully submitted,

8/10/04
Date

[Signature]
Amir N. Penn (Reg. No. 40,767)



I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope, with sufficient postage, addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on

August 10, 2004

Date of Deposit

Amir N. Penn (40,767)

Name of Applicant, Assignee or
Registered Representative

Signature

8/10/04

Date of Signature

Our Case No.: 11336-433

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Allan O. DEVANTIER, et al.

Serial No.: 10/684,222

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CONFIGURATIONS

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Group Art Unit No.: 2125

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner for Patents
Alexandria, VA 22313-1450

Dear Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the documents listed below and on the attached Form PTO-1449 be considered by the Examiner and made of record. Copies of the listed documents required by 37 C.F.R. § 1.98(a)(2) are enclosed for the convenience of the Examiner.

The references now cited are the following:

US PATENT DOCUMENTS

	DOCUMENT NUMBER <small>Number-Kind Code (if known)</small>	DATE	NAME	CLASS/ SUBCLASS	FILING DATE
A1	4,638,505	01/20/1987	Polk, et al.		
A2	5,581,626	12/03/1996	Palmer		
A3	6,031,920	02/29/2000	Wiener		

FOREIGN PATENT DOCUMENTS

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A4	EP 1 088 298 B1	11/12/2003	EPO		YES

OTHER ART REFERENCES

A5	ALLISON, Roy F., "The Influence of Room Boundaries on Loudspeaker Power Output", <u>Journal of the Audio Engineering Society</u> , June 1974, Vol. 22, No. 5, pp. 314-320.				
A6	ALLISON, Roy F., "The Sound Field in Home Listening Rooms.II" <u>Audio Engineering Society</u> , 52 nd Convention Oct. 31 – Nov. 3, 1975, AES preprint 1081 (L-2), 15 pages.				
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A14	CARA (Computer Aided Room Acoustics), ELAC Technische Software GmbH, Rendsburger Landstrasse 215, D-24113 Kiel, Germany, http://www.cara.de/ENU/index.html , 1 page.				
A15	D'ANTONIO, Peter D., COX, Trevor J., "ROOM OPTIMIZER: A Computer Program to Optimize the Placement of Listener, Loudspeakers, Acoustical Surface Treatment and Room Dimensions in Critical Listening Rooms," RPG Diffuser Systems, Inc., pp. 45-61.				
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A30	MOURJOPOULOS, John H., "Digital Equalisation of Room Acoustics," <u>Journal of the Audio Engineering Society</u> , 92 nd Convention, AES Preprint 3288, March 24-27, Vienna, 1992, 32 pages.
A31	MUNSHI, Anees Saeed, "Multi-Loudspeaker Multi-Point Room Equalization," Thesis (M.A.Sc.), University of Toronto, 1990, ISBN 0-315-56734-1, 103 pages.
A32	NEELY, Stephen T., Allen Jont B., "Invertibility of a room impulse response," <u>J. Acoust. Soc. Am</u> 66 (1), July 1979, 5 pages.
A33	OLIVE, Sean E.; SCHUCK, Peter L.; SALLY, Sharon L.; BONNEVILLE, Mark E.; "The Effects of Loudspeaker Placement on Listener's Preference Ratings," <u>J. Audio Eng. Soc.</u> , September 1994, Vol. 42, No. 9, pp. 651-669.
A34	OPPENHEIM, Alan V.; SCHAFER, Ronald W.; STOCKHAM, Thomas G., Jr., "Nonlinear Filtering of Multiplied and Convolved Signals", <u>IEEE Transactions on Audio and Electroacoustics</u> , Sept. 1968, Vol. AU-16, No. 3, pp. 437-466.
A35	OPPENHEIM, Alan V.; SCHAFER, Ronald W.; BUCK, John R., <u>Discrete Signal Processing</u> , 2 nd Edition, 1999, Prentice Hall, 4 pages.
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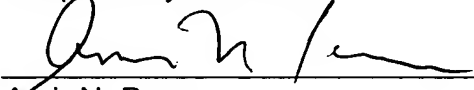
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In accordance with 37 C.F.R. § 1.97(g),(h), this Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed to be an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

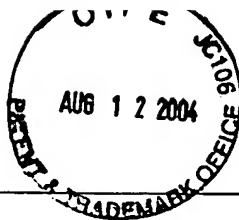
This Information Disclosure Statement is being filed prior to the receipt of the first Official Action reflecting an examination on the merits and hence is believed to be timely filed in accordance with 37 C.F.R. § 1.97(b). No fees are believed to be due in connection with filing of this Information Disclosure Statement, however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to these materials, the Commissioner is hereby authorized to deduct said fees from Brinks Hofer Gilson & Lione Deposit Account No. 23-1925. A duplicate copy of this document is enclosed.

Applicant(s) respectfully request that the listed documents be made of record in the present case.

Respectfully submitted,


 Amir N. Penn
 Registration No. 40,767
 Attorney for Applicant(s)

BRINKS HOFER GILSON & LIONE
 P.O. Box 10395
 Chicago, IL 60610
 (312) 321-4200



FORM PTO-1449	SERIAL NO. 10/684,222	CASE NO. 11336/433 (P03059US)
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	FILING DATE Oct. 10, 2003	GROUP ART UNIT 2125
(use several sheets if necessary)		APPLICANT(S): Devantier et al.

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER <small>Number-Kind Code (if known)</small>	DATE	NAME	CLASS/ SUBCLASS	FILING DATE
	A1	4,638,505	01/20/1987	Polk, et al.		
	A2	5,581,626	12/03/1996	Palmer		
	A3	6,031,920	02/29/2000	Wiener		

FOREIGN PATENT DOCUMENTS

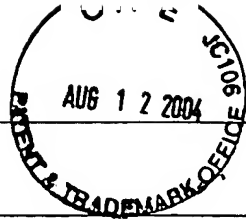
EXAMINER INITIAL		DOCUMENT NUMBER <small>Number-Kind Code (if known)</small>	DATE	COUNTRY	CLASS/ SUBCLASS	TRANSLATION YES OR NO
	A4	EP 1 088 298 B1	11/12/2003	EPO		YES

OTHER ART – NON PATENT LITERATURE DOCUMENTS

EXAMINER INITIAL		(Include name of author, title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, city and/or country where published.
	A5	ALLISON, Roy F., "The Influence of Room Boundaries on Loudspeaker Power Output", <u>Journal of the Audio Engineering Society</u> , June 1974, Vol. 22, No. 5, pp. 314-320.
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EXAMINER	DATE CONSIDERED
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FORM PTO-1449	SERIAL NO. 10/684,222	CASE NO. 11336/433 (P03059US)
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EXAMINER INITIAL	OTHER ART – NON PATENT LITERATURE DOCUMENTS (Include name of author, title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, city and/or country where published.	
	A16	ELLIOTT, S.J.; NELSON, P.A., "Multiple-Point Equalization in a Room Using Adaptive Digital Filters", <u>Journal of the Audio Engineering Society</u> , Nov. 1989, Vol. 37, No. 11, pp. 899-907.
	A17	ELLIOTT, S.J.; BHATIA, L.P.; DEGHAN, F.S.; FU, A.H.; STEWART, M.S.; WILSON, D.W.;, "Practical Implementation of Low-Frequency Equalization Using Adaptive Digital Filters," <u>Journal of the Audio Engineering Society</u> , December 1994, Vol. 42, No. 12, pp. 988-998.
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